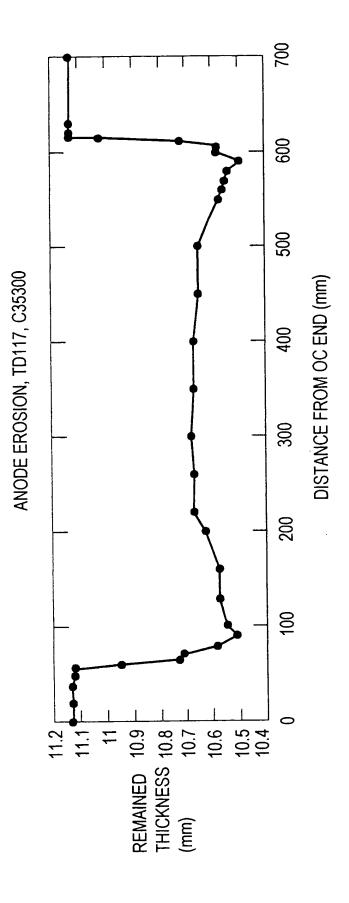


FIG. 2. Cathode Profile Changes



Typical Axial Anode Erosion Profile, 3 Bp in 4 KHz ArF

FIG. 3

FIG. 6. LOCAL C26000 ANODE AND CATHODE SEGMENT CORROSION RATES (mm/Bp) OPPOSITE ANODE RATE (C26000) C31400 C26000 AVE TD133 SEGMENTED CATHODE TEST, 2.3 Bp, 2.5 KHz, ArF, 1100V 30% Zn 9% Zn 1.6% Pb C21000 C22000 C28000 C10200 C36000 Ni 201 SEGMENT ID 0% Zn 10% Zn 40% Zn CATHODE (RATE) 0.05 0.3 0.15 0.1 0.35 0.25 0.2 LOCAL EROSION RATE (mm/Bp)

FIG. 4

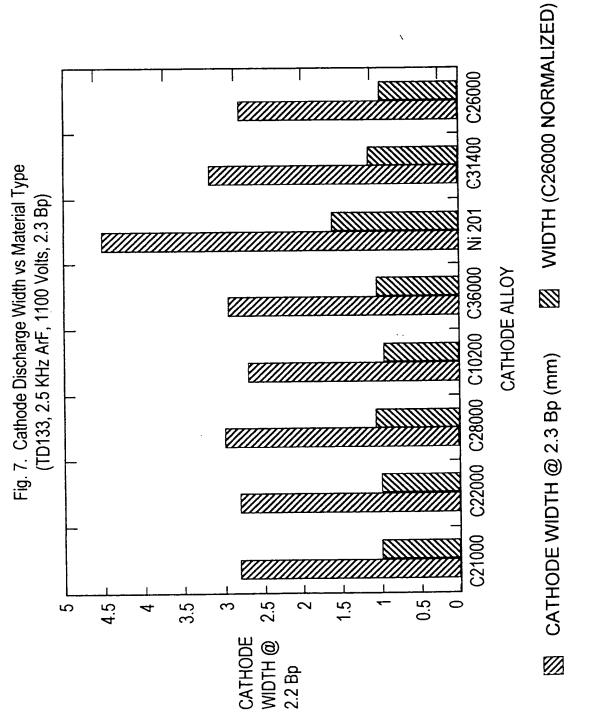


FIG. 5

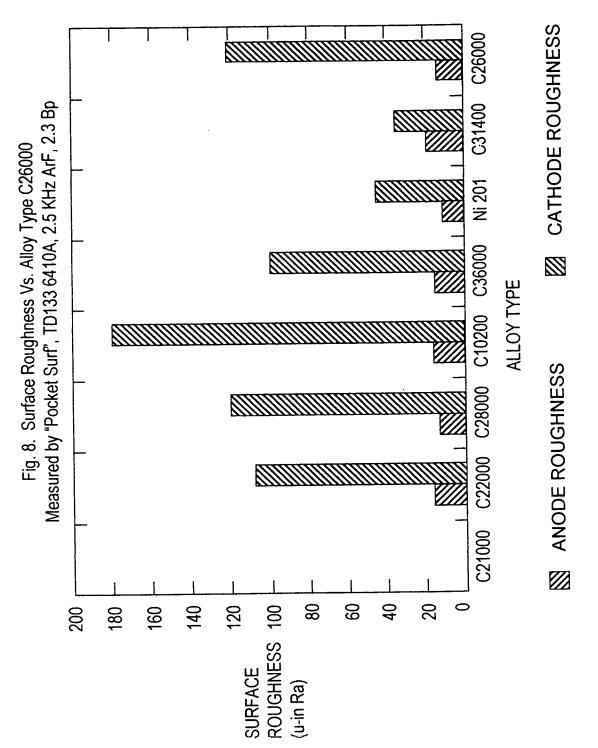


FIG. 6

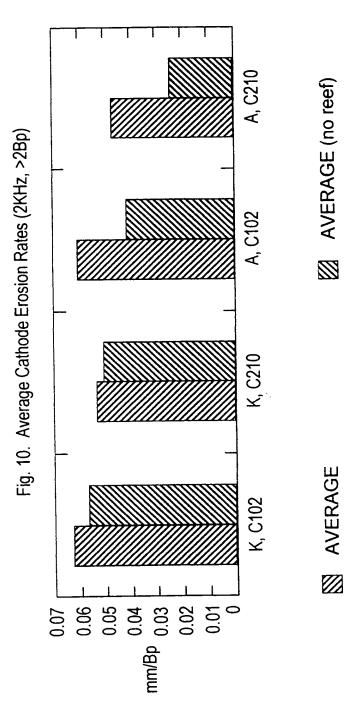


FIG. 7

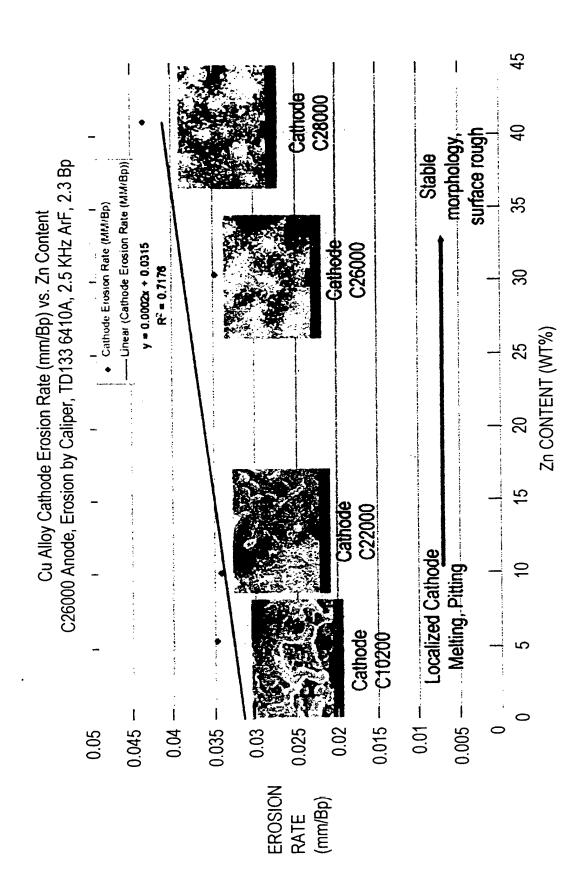
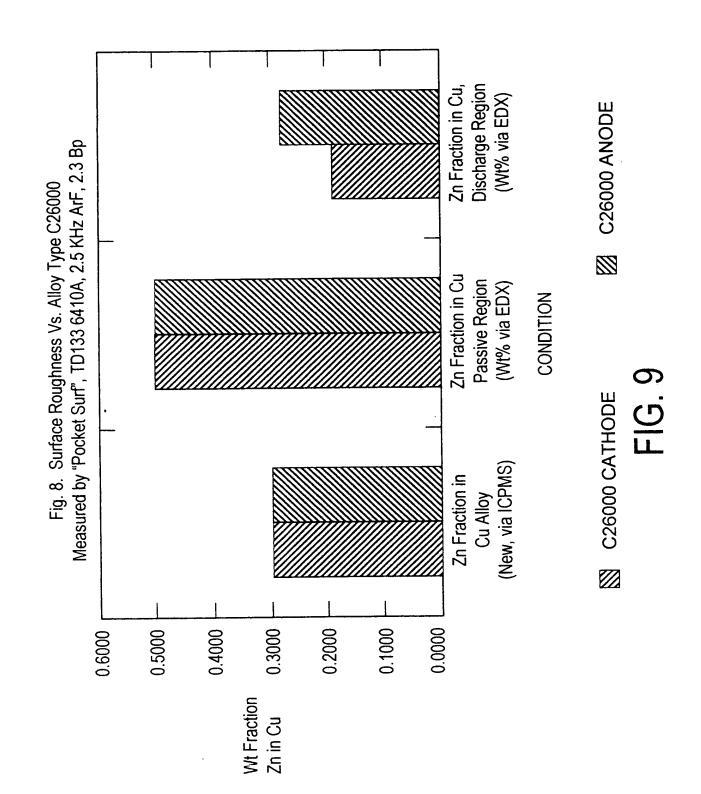


FIG. 8



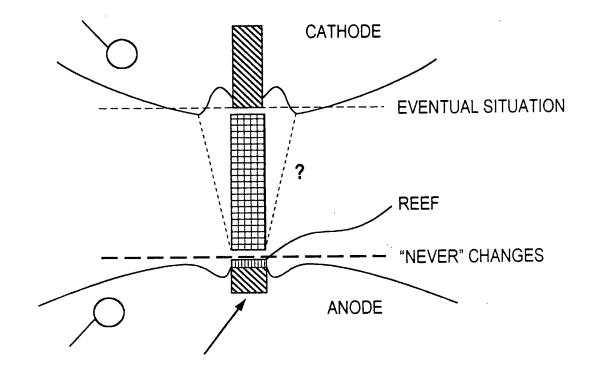
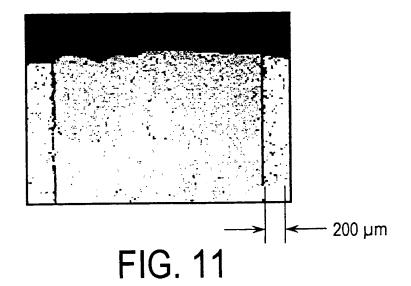
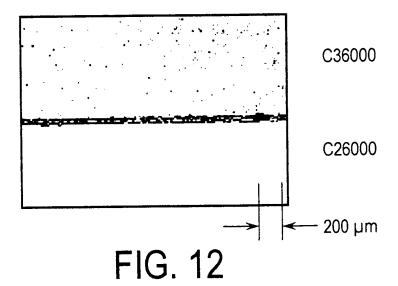


FIG. 10





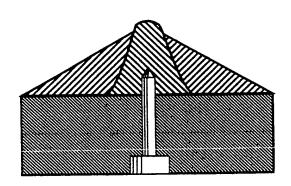


FIG. 13

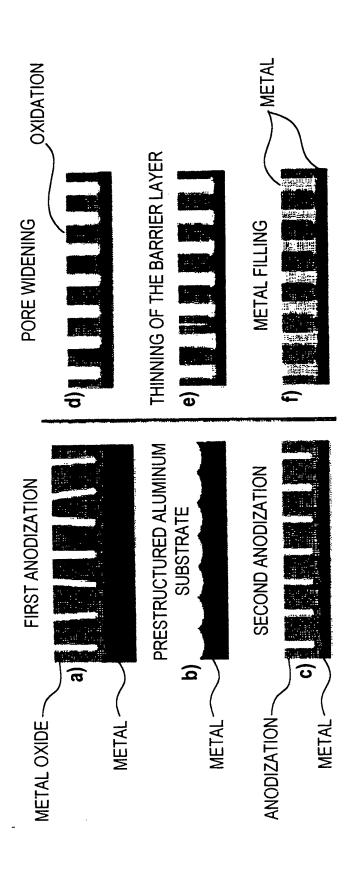


FIG. 14

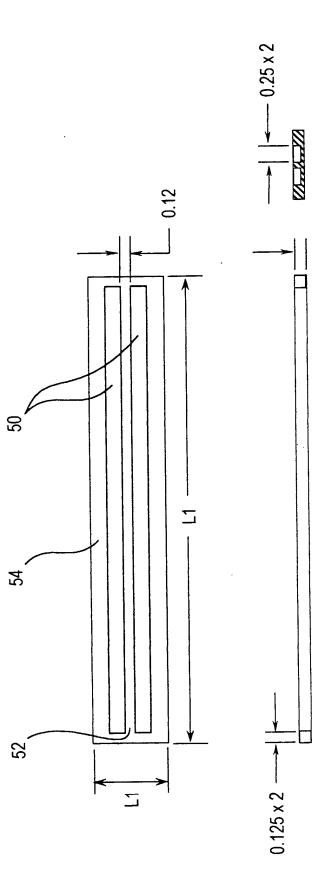


FIG. 15

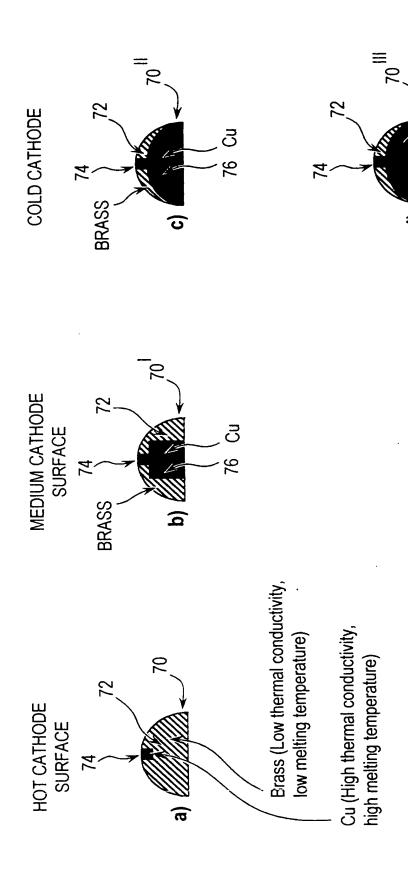


FIGURE 1. Cathode or Anode Surface Temperature Control Using Diffusion Bonding Technology.

FIG. 16

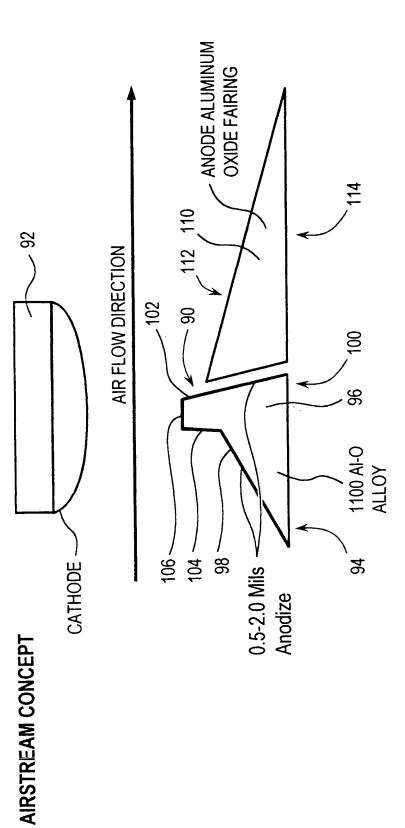
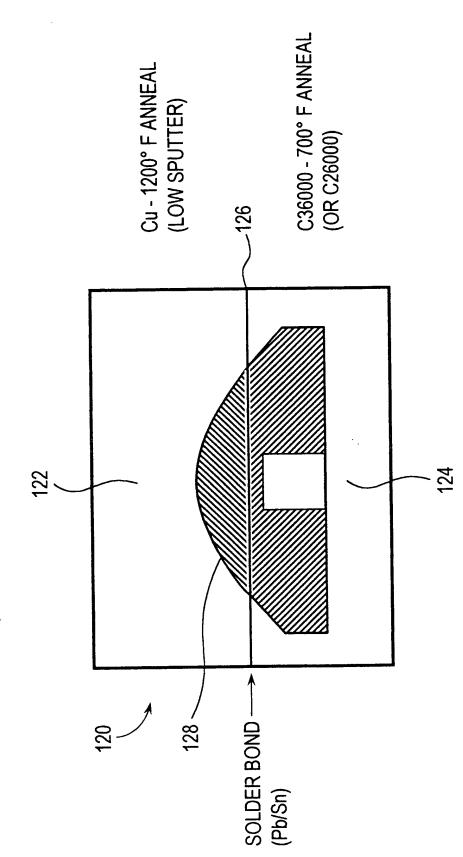


FIG. 17

Spatter rate of annealed Cu about 1/2 that of brass.



Good machining and mechanical properties for mounting and gas sealing. (Low erosion rate cathode not relying on differential erosion.)

FIG. 18

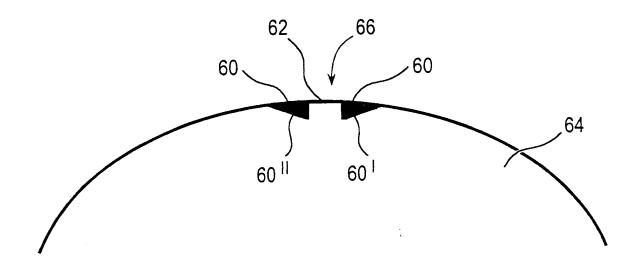


FIG. 19

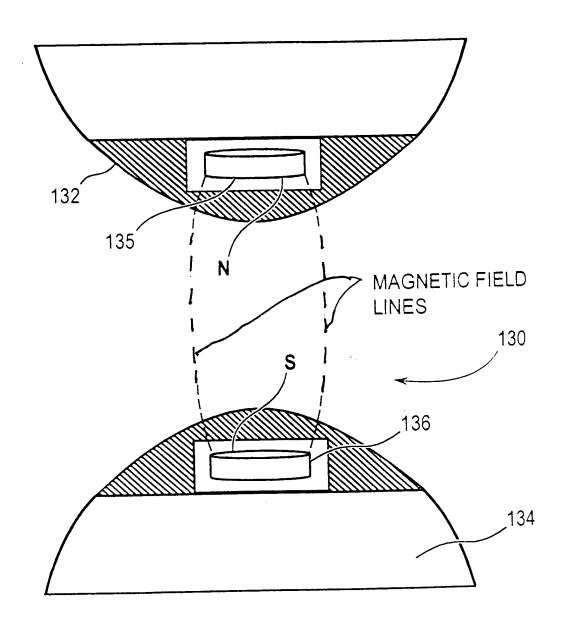


FIG. 20a

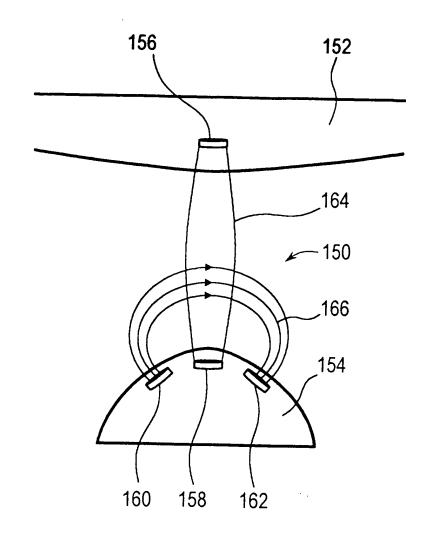


FIG. 20b

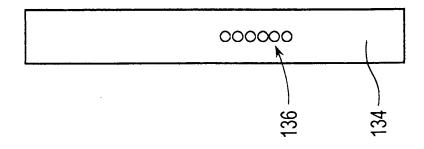
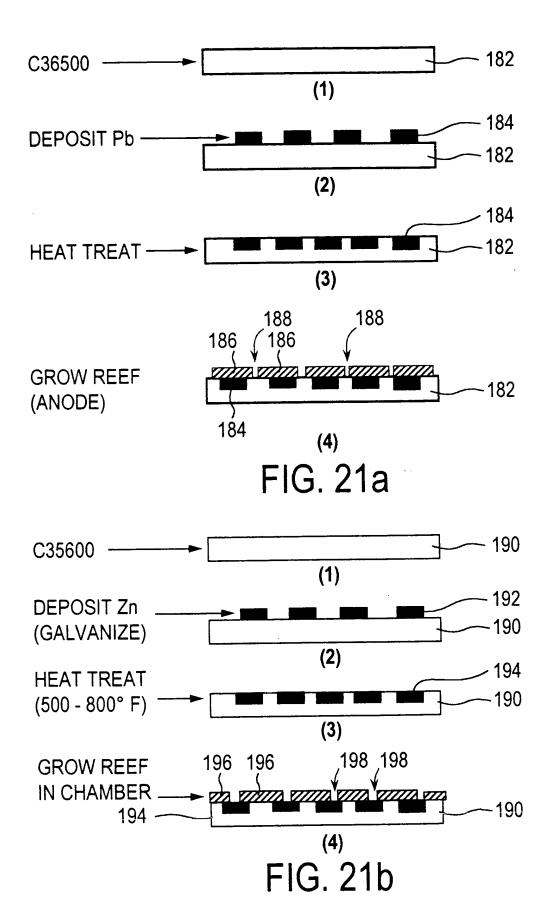


FIG. 20c



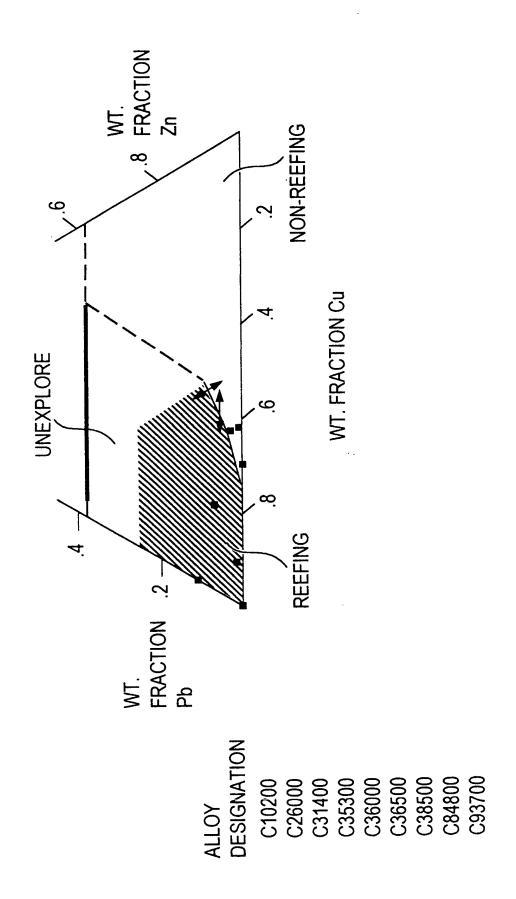


FIG. 22

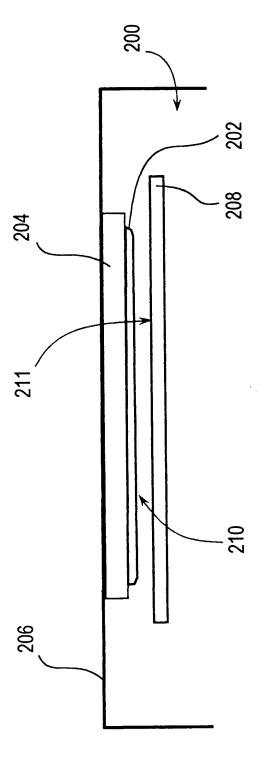
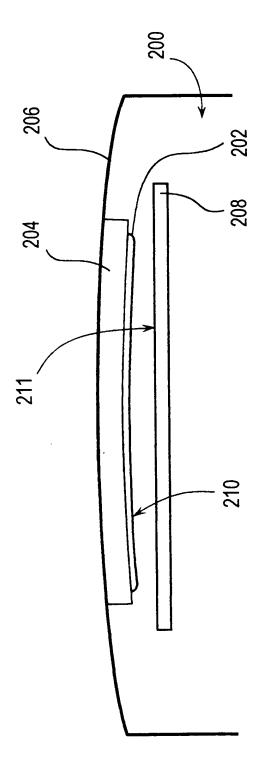
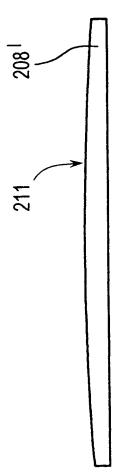


FIG. 23a





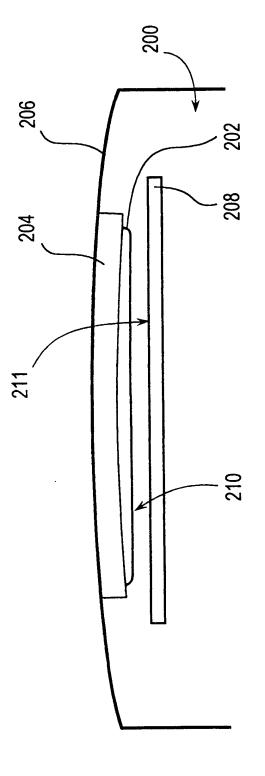


FIG. 23d

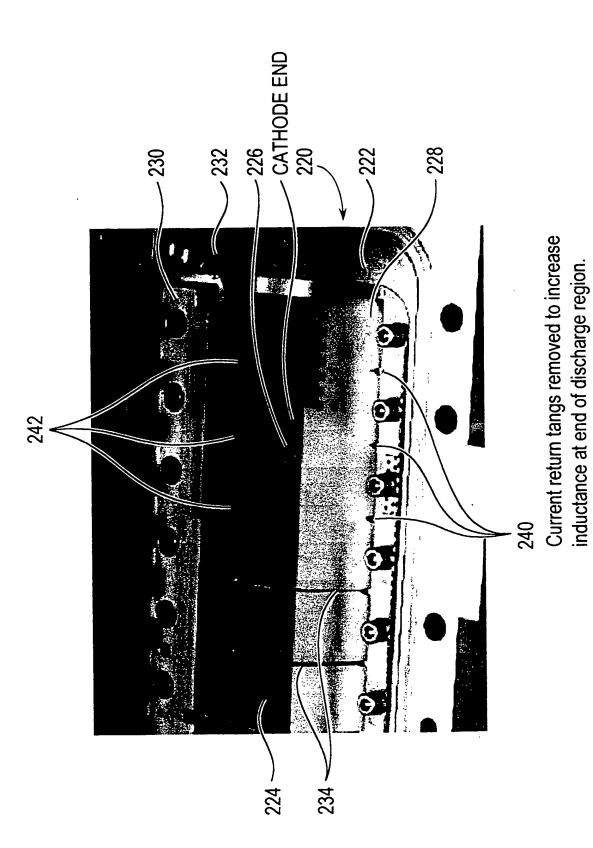


FIG. 24

## ANODE SLOPE



(KrF, dual brass, ~ 7Bshots, C36 center, C26 body)

(Taken in non-reefed region)

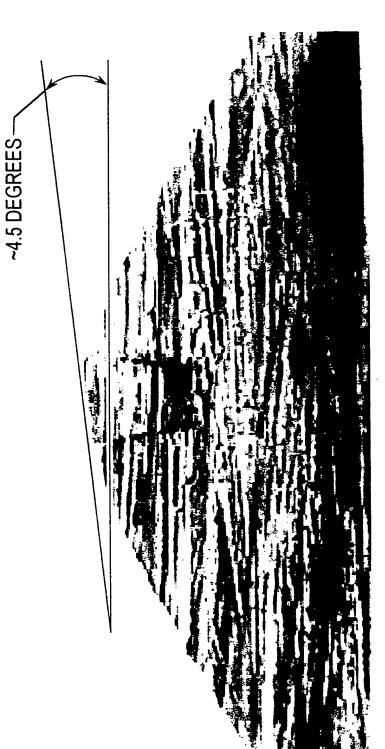


FIG. 25a

